09/857281 Stefan Schaffler et al.

EAST SEARCH

8/20/04

L#	Hits	Search String	Databases
S1	2583	(process near2 control$3) and (adaptive near2 control$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S2	811	S1 and ((measure$4 or collect$3) with data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S3	495	S1 and (model$3 with data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S4	300	S2 and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S5	155	S4 and ((predict$3 or forecast$3) with model$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S6	155	S4 and (model$1 with (accuracy or error$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S7	115	S5 and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S8	32	S4 and (model$3 with regression)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S9	48	S4 and ("mean square" with (error or deviation))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S10	0	S4 and (sort$3 with data with (error or deviation))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S12	178	S4 and (data with (error or deviation))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S14	57	S4 and ((eliminat$3 or discard$3) with data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S16	0	S4 and (range with continuous with data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S18	20	S4 and (preprocess$3 with data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S19	149	S4 and (reduc$4 with data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S21	155	S7 or S8 or S9 or S13 or S15 or S17 or S20	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S11	13	S4 and (sort$3 with data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S13	10	S11 and S12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S15	44	S12 and S14	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S17	6	S4 and (range with continuous)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S22	49	S4 and (continuous with data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S23	172	S4 and (data with range)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S24	36	S22 and S23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S20	12	S18 and S19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

09/857281 Stefan Schaffler et al.

EAST SEARCH

8/20/04

Results of search set L21:S7 or S8 or S9 or S13 or S15 or S17 or S20

Document	Kind Code	Title	Issue Date	Current OR	Abstract
US 20040130442	A1	Wireless and powerless sensor and interrogator	20040708	340/443	
US 20040130276	A1	System and method of applying adaptive control to the control of particle accelerators with va...	20040708	315/501	
US 20040129838	A1	Flow control device and method of controlling flow	20040708	244/199	
US 20040117040	A1	System and method of adaptive control of processes with varying dynamics	20040617	700/29	
US 20040111168	A1	Adaptive value generating apparatus, adaptive procedure control program, and adaptive valu...	20040610	700/28	
US 20040103108	A1	Method and computer-based sytem for non-probabilistic hypothesis generation and verificatio...	20040527	707/100	
US 20040083993	A1	State space control of solenoids	20040506	123/90.11	
US 20040083013	A1	Method of operating a plant and a control system for controlling the same	20040429	700/47	
US 20040059441	A1	Kiln thermal and combustion control	20040325	700/29	
US 20040031058	A1	Method and apparatus for browsing using alternative linkbases	20040212	725/112	
US 20040015335	A1	Method, system and medium for controlling manufacturing process using adaptive models ba...	20040122	703/2	

US 20030229900 A1	Method and apparatus for browsing using multiple coordinated device sets	20031211 725/87
US 20030217337 A1	Method for controlling the performance of a target system	20031120 716/1
US 20030195641 A1	State based adaptive feedback feedforward PID controller	20031016 700/42
US 20030093392 A1	System for intelligent control based on soft computing	20030515 706/13
US 20030088322 A1	Kiln thermal and combustion control	20030508 700/53
US 20030078684 A1	Method and apparatus for modeling dynamic and steady-state processes for prediction, contr	20030424 700/44
US 20030065410 A1	Method and apparatus for controlling a non-linear mill	20030403 700/37
US 20030049390 A1	Feedback control of plasma-enhanced chemical vapor deposition processes	20030313 427/585
US 20030049376 A1	Feedback control of sub-atmospheric chemical vapor deposition processes	20030313 427/255.28
US 20030044344 A1	Method for controlling polysulfide production	20030306 423/562
US 20030028265 A1	Kiln/cooler control and upset recovery using a combination of model predictive control and exp	20030206 700/31
US 20030028263 A1	Method and apparatus for adaptive control of marginally stable systems	20030206 700/29
US 20030027424 A1	Feedforward and feedback control for conditioning of chemical mechanical polishing pad	20030206 438/692
US 20030018400 A1	Method and apparatus for creating time-optimal commands for linear systems	20030123 700/29
US 20030018399 A1	Method for optimizing a plant with multiple inputs	20030123 700/28
US 20030014191 A1	System, method and computer program product for identifying chemical compounds having d	20030116 702/19
US 20030014131 A1	Method for optimizing a plant with multiple inputs	20030116 700/29
US 20020197934 A1	Control of chemical mechanical polishing pad conditioner directional velocity to improve pad li	20021226 451/21
US 20020197745 A1	Feedback control of a chemical mechanical polishing device providing manipulation of remova	20021226 438/5
US 20020186660 A1	Adaptive control of data packet size in networks	20021212 370/248
US 20020156542 A1	Methods, devices and systems for monitoring, controlling and optimizing processes	20021024 700/30
US 20020151992 A1	Media recording device with packet data interface	20021017 700/83
US 20020077537 A1	Ferromagnetic foreign body detection with background canceling	20020620 600/409
US 20020072828 A1	Computer method and apparatus for constraining a non-linear approximator of an empirical pr	20020613 700/269
US 20020053555 A1	Spot welding system and method for sensing welding conditions in real time	20020509 219/110
US 20020044014 A1	Amplifier measurement and modeling processes for use in generating predistortion parameter	20020418 330/2
US 20020016665 A1	System for intelligent control of an engine based on soft computing	20020207 701/106
US 20020016640 A1	Multi-variable matrix process control	20020207 700/29
US 20020008578 A1	Amplifier measurement and modeling processes for use in generating predistortion parameter	20020124 330/149
US 20010050592 A1	Amplifier measurement and modeling processes for use in generating predistortion parameter	20011213 330/2
US 20010025232 A1	Hybrid linear-neural network process control	20010927 703/13
US 6757579 B1	Kalman filter state estimation for a manufacturing system	20040629 700/108
US 6757570 B1	System and method for adaptive control of uncertain nonlinear processes	20040629 700/45
US 6745088 B2	Multi-variable matrix process control	20040601 700/29
US 6738682 B1	Method and apparatus for scheduling based on state estimation uncertainties	20040518 700/100
US 6738677 B2	Method and apparatus for modeling dynamic and steady-state processes for prediction, contr	20040518 700/44
US 6736089 B1	Method and system for sootblowing optimization	20040518 122/379
US 6735483 B2	Method and apparatus for controlling a non-linear mill	20040511 700/29
US 6721718 B2	System for intelligent control based on soft computing	20040413 706/2
US 6701274 B1	Prediction of error magnitude in a pressure transmitter	20040302 702/140
US 6697436 B1	Transmission antenna array system with predistortion	20040224 375/296
US 6694196 B2	Method and apparatus for creating time-optimal commands for linear systems	20040217 700/28
US 6665308 B1	Apparatus and method for equalization in distributed digital data transmission systems	20031216 370/441
US 6647358 B2	Pharmacokinetic-based drug design tool and method	20031111 703/2
US 6640145 B2	Media recording device with packet data interface	20031028 700/83
US 6625501 B2	Kiln thermal and combustion control	20030923 700/44
US 6611737 B1	Advanced ship autopilot system	20030826 701/21
US 6609119 B1	Intelligent process control using predictive and pattern recognition techniques	20030819 706/25
US 6609060 B2	System for intelligent control of an engine based on soft computing	20030819 701/106

Patent No.	Title	Date	Class
US 6601054 B1	Active acoustic and structural vibration control without online controller adjustment and path n	20030729	706/30
US 6597660 B1	Method for real-time traffic analysis on packet networks	20030722	370/230.1
US 6587744 B1	Run-to-run controller for use in microelectronic fabrication	20030701	700/121
US 6587514 B1	Digital predistortion methods for wideband amplifiers	20030701	375/296
US 6581048 B1	3-brain architecture for an intelligent decision and control system	20030617	706/23
US 6571227 B1	Method, system and computer program product for non-linear mapping of multi-dimensional d	20030527	706/15
US 6542858 B1	Pharmacokinetic-based drug design tool and method	20030401	703/2
US 6535795 B1	Method for chemical addition utilizing adaptive optimization	20030318	700/266
US 6506997 B2	Spot welding system and method for sensing welding conditions in real time	20030114	219/110
US 6505085 B1	Method and apparatus for creating time-optimal commands for linear systems	20030107	700/28
US 6496713 B2	Ferromagnetic foreign body detection with background canceling	20021217	600/409
US 6493596 B1	Method and apparatus for controlling a non-linear mill	20021210	700/37
US 6487459 B1	Method and apparatus for modeling dynamic and steady-state processes for prediction, contr	20021126	700/44
US 6476670 B2	Amplifier measurement and modeling processes for use in generating predistortion parameter	20021105	330/2
US 6463371 B1	System for intelligent control of a vehicle suspension based on soft computing	20021008	701/40
US 6459334 B2	Amplifier measurement and modeling processes for use in generating predistortion parameter	20021001	330/2
US 6453246 B1	System, method, and computer program product for representing proximity data in a multi-dim	20020917	702/27
US 6438430 B1	Kiln thermal and combustion control	20020820	700/28
US 6434435 B1	Application of adaptive object-oriented optimization software to an automatic optimization oilfi	20020813	700/30
US 6421612 B1	System, method and computer program product for identifying chemical compounds having d	20020716	702/19
US 6415272 B1	System for intelligent control based on soft computing	20020702	706/2
US 6400996 B1	Adaptive pattern recognition based control system and method	20020604	700/83
US 6388513 B1	Amplifier measurement and modeling processes for use in generating predistortion parameter	20020514	330/2
US 6381504 B1	Method for optimizing a plant with multiple inputs	20020430	700/44
US 6373033 B1	Model-based predictive control of thermal processing	20020416	219/497
US 6356146 B1	Amplifier measurement and modeling processes for use in generating predistortion parameter	20020312	330/2
US 6353406 B1	Dual mode tracking system	20020305	342/118
US 6342810 B1	Predistortion amplifier system with separately controllable amplifiers	20020129	330/51
US 6278962 B1	Hybrid linear-neural network process control	20010821	703/13
US 6278899 B1	Method for on-line optimization of a plant	20010821	700/44
US 6263355 B1	Non-linear model predictive control method for controlling a gas-phase reactor including a rap	20010717	708/320
US 6246972 B1	Analyzer for modeling and optimizing maintenance operations	20010612	703/2
US 6242873 B1	Method and apparatus for adaptive hybrid vehicle control	20010605	318/139
US 6216083 B1	System for intelligent control of an engine based on soft computing	20010410	701/106
US 6207936 B1	Model-based predictive control of thermal processing	20010327	219/497
US 6169981 B1	3-brain architecture for an intelligent decision and control system	20010102	706/23
US 6144910 A	Vehicle control apparatus and method	20001107	701/50
US 6122557 A	Non-linear model predictive control method for controlling a gas-phase reactor including a rap	20000919	700/45
US 6112126 A	Adaptive object-oriented optimization software system	20000829	700/29
US 6110214 A	Analyzer for modeling and optimizing maintenance operations	20000829	703/2
US 6092919 A	System and method for adaptive control of uncertain nonlinear processes	20000725	700/45
US 6091567 A	Modeling position error nonlinearity to improve servo performance	20000718	360/77.08
US 6054894 A	Digital control of a linc linear power amplifier	20000425	330/149
US 6047221 A	Method for steady-state identification based upon identified dynamics	20000404	700/44
US 6038540 A	System for real-time economic optimizing of manufacturing process control	20000314	705/8
US 6026334 A	Control system for cross-directional profile sheet formation	20000215	700/28
US 6018643 A	Apparatus and method for adaptively forming an antenna beam pattern in a wireless commun	20000125	455/63.4
US 5991308 A	Lower overhead method for data transmission using ATM and SCDMA over hybrid fiber coax	19991123	370/395.53
US 5933345 A	Method and apparatus for dynamic and steady state modeling over a desired path between tw	19990803	700/44

Patent No.	Title	Date	Class
US 5920478 A	Multi-input multi-output generic non-interacting controller	19990706	700/29
US 5920477 A	Human factored interface incorporating adaptive pattern recognition based controller apparatt	19990706	382/181
US 5908176 A	In-flight adaptive performance optimization (APO) control using redundant control effectors of	19990601	244/203
US 5903454 A	Human-factored interface corporating adaptive pattern recognition based controller apparatus	19990511	700/83
US 5901552 A	Method of adjusting the air/fuel ratio for an internal combustion engine having a catalytic conv	19990511	60/274
US 5877954 A	Hybrid linear-neural network process control	19990302	700/29
US 5870405 A	Digital transmission of acoustic signals over a noisy communication channel	19990209	714/701
US 5867386 A	Morphological pattern recognition based controller system	19990202	700/83
US 5774357 A	Human factored interface incorporating adaptive pattern recognition based controller apparatt	19980630	713/600
US 5745652 A	Adaptive resource allocation using neural networks	19980428	706/14
US 5714866 A	Method and apparatus for fast battery charging using neural network fuzzy logic based control	19980203	320/152
US 5704012 A	Adaptive resource allocation using neural networks	19971230	706/19
US 5701400 A	Method and apparatus for applying if-then-else rules to data sets in a relational data base and	19971223	706/45
US 5684650 A	Digital servo control system for use in disk drives	19971104	360/77.06
US 5682309 A	Feedback method for controlling non-linear processes	19971028	700/29
US 5680272 A	Digital servo control system for use in disk drives	19971021	360/78.04
US 5677809 A	Digital servo control system for use in disk drives, having state space observer including integ	19971014	360/78.09
US 5675450 A	Digital servo control system for use in disk drives using driver saturation model	19971007	360/78.09
US 5659667 A	Adaptive model predictive process control using neural networks	19970819	706/23
US 5646797 A	Digital servo control system for use in disk drives	19970708	360/75
US 5638230 A	Digital servo control system for use in disk drives, including sample integrity tester for reducin	19970610	360/78.04
US 5602689 A	Predictive control of rolling mills using neural network gauge estimation	19970211	360/78.04
US 5586221 A	Control system with neural network trained as general and local models	19961217	706/23
US 5586033 A	Method for adaptive control of human-machine systems employing disturbance response	19961217	701/50
US 5555495 A	Model predictive control apparatus and method	19960910	700/38
US 5519605 A	Digital transmission of acoustic signals over a noisy communication channel	19960521	700/31
US 5517511 A	Hierarchical control system for molecular beam epitaxy	19960514	714/755
US 5461559 A	Self-tuning controller that extracts process model characteristics	19951024	700/29
US 5394322 A	Method and system for process control with complex inference mechanism using qualitative a	19950228	700/37
US 5377308 A	Process control method and system for performing control of a controlled system by use of a i	19941227	706/52
US 5311421 A	Receding horizon based adaptive control having means for minimizing operating costs	19940510	700/37
US 5301101 A	Neural network process measurement and control	19940405	700/36
US 5282261 A	Method and system for process control with complex inference mechanism using qualitative a	19940125	706/23
US 5251285 A	Integrated imaging sensor/neural network controller for combustion systems	19931005	706/10
US 5249954 A	Method and system for process control with complex inference mechanism using qualitative a	19931005	431/14
US 5051932 A	Method and system for process control with complex inference mechanism	19910924	707/5
US 4929099 A	Multi-line serial printer	19900529	400/76
US 4926309 A	Artificial intelligence for adaptive machining control of surface finish	19900515	700/29
US 4882526 A	Adaptive process control system	19891121	318/561
US 4780744 A	System for quality monitoring and control in an electrophotographic process	19881025	399/39
US 4768143 A	Apparatus and method using adaptive gain scheduling algorithm	19880830	700/37
US 4708459 A	Electrophotographic color proofing apparatus and method	19871124	399/39
US 4639853 A	Time-discrete adaptive switching on-off controller	19870127	700/29
US 4630189 A	System for determining abnormal plant operation based on whiteness indexes	19861216	700/30
US 4491718 A	Template-matching adaptive control system for welding	19850101	219/124.22
US 3631697 A	ROLLING MILL WORKPIECE DELIVERY THICKNESS CONTROL	19720104	72/10.4